



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/814,322	03/31/2004	John M. Myer	18084	5147
7590	05/03/2005		EXAMINER LE, THANH TAM T	
Robert J. Kapalka Tyco Technology Resources Suite 140 4550 New Linden Hill Road Wilmington, DE 19808			ART UNIT	PAPER NUMBER
			2839	

DATE MAILED: 05/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/814,322

Applicant(s)

MYER ET AL.

Examiner

Thanh-Tam T. Le

Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6, 10-13 and 17-19 is/are rejected.
- 7) ☒ Claim(s) 7-9, 14-16 and 20 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-3 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kosmala (5,645,454) in view of Suzuki et al. (5,011,415).

Regarding claims 1 and 17, Kosmala, figures 1 and 4-6, discloses a shielded jack assembly comprising:

- an insulator member (14) having pin receiving passageway, a rear slot intersecting the passageway at least to an outer surface of the insulator;
- a pin (12) having an elongate portion (20) and an orthogonally arranged PCB tine (22), which extends in the rear slot;
- a shielded tube (36) extending at least partially along a length of the insulator member; and
- a metallic shell (38) having an outer body (44) conforming to an exterior contour of the shielded tube, side wall portions (52) and a rear plate portion (56) hingedly connected to the outer body and folded downwardly to enclose an end opening.

Kosmala discloses the instant claimed invention as described above except for the mating portion of the pin is exposed in a recess of the insulator member.

Art Unit: 2839

Suzuki et al., figure 1, disclose a contact portion (2a) of a conductor (2) is exposed in a recess of a insulator (6). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide Kosmala to have the insulator, as taught by Suzuki et al. for easier coupling.

Regarding claim 2, figures 1 and 4, the insulator member, shielded tube and the outer body of the shell are cylindrical in cross section.

Regarding claim 3, the shielded tube and the ground shell are fixed together along their length.

3. Claims 5-6, 10-11 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kosmala and Suzuki et al. as applied to claim 1 above, and further in view of Regnier (6,575,761).

Regarding claims 5 and 10, Kosmala discloses the instant claimed invention as described above except for an outer shroud portion.

Regnier, figure 7, discloses a coaxial connector module having a front shield (14). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide Kosmala to have the front shield, as taught by Regnier, for better connection.

Regarding claim 6, it is noted that Regnier discloses the outer shroud portion is stamped and formed to define a longitudinal overlapping seam.

4. Claims 4, 12-13 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kosmala, Suzuki et al. and Regnier as applied to claims 1 and 10 above, and further in view of Skopic et al. (6,386,888).

Art Unit: 2839

Regarding claims 4, 12 and 19, Kosmala and Regnier disclose the instant claimed invention as described above except for the tube including a peripheral undercut.

Skopic et al., figure 2, disclose a modular connector having a conductive insert (92) having a groove (176), the groove reads on a peripheral undercut. It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide Kosmala to have the groove, as taught by Skopic et al. for better connection.

Allowable Subject Matter

5. Claims 7-9, 14-16 and 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is an examiner's statement of reasons for allowance:

None of the reference discloses the shroud including a rear wall having a plurality of openings therethrough for receiving the plurality of assembled insulator members, pins, shielded tubes and ground shells, in combination with the other claimed elements of the embodiments recited.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh-Tam T. Le whose telephone number is 571-272-2094. The examiner can normally be reached on 7:30-5:00.

9. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

10. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TL.
05/01/05.


T. Le